

Converting Colors

$Y_{xy}(61.0694, 0.2652, 0.4745)$

Have a look what the booklet for
Yxy(61.0694, 0.2652, 0.4745)
contains.

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Color

Yxy(61.2293, 0.2651, 0.4741)

Conversions

Conversions Part 1

Format	Color
Hex	01EB89
RGB	1, 235, 137
RGB Percent	0%, 92%, 54%
CMY	0.9956, 0.0784, 0.4627
CMYK	1.00, 0.00, 0.42, 0.08
HSL	155°, 99%, 46%
HSV	155°, 100%, 92%
XYZ	34.2373, 61.2293, 33.6819
YIQ	153.8620, -108.0060, -80.0860

Conversions

Conversions Part 2

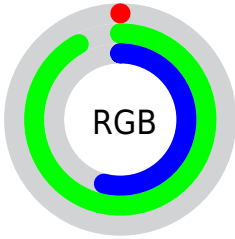
Format	Color
RYB	1, 149, 235
Decimal	125833
CIELab	82.50, -68.82, 34.57
CIElCh	83, 77.012, 153.328
Yxy	61.2293, 0.2651, 0.4741
Android (android.graphics.Color)	4278315913 (0xFF01EB89)
YUV	153.8620, -8.3130, -134.0600
Hunter-Lab	78.2492, -58.8348, 29.2533

Details

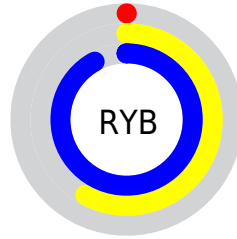
The Yxy color **61.2293, 0.2651, 0.4741** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.5898, 0.5324, 0.2709**, and the grayscale version is **32.3403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5966, 0.2688, 0.4095**, and **32.5127, 0.2739, 0.5059** is the 20% darker color. If you saturate the color by 10%, you get **61.2112, 0.2652, 0.4748**, and if you desaturate by 10%, it is **61.7220, 0.2625, 0.4583**.

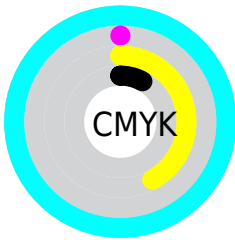
Distribution



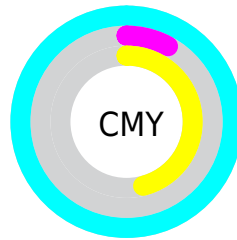
- Red (0%)
- Green (92%)
- Blue (54%)



- Red (0%)
- Yellow (58%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.2293, 0.2651, 0.4741 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 61.2293, 0.2651, 0.4741 by changing the saturation by 10% instead.


 61.2293, 0.2651,
0.4741

 61.2293, 0.2651,
0.4741


429.1142, 0.2909,
0.3991


 44.4102, 0.2582,
0.4933

 106.6109, 0.2749,
0.4464


 30.9932, 0.2490,
0.5181


 135.9422, 0.2784,
0.4361


 20.5936, 0.2364,
0.5513


 170.2130, 0.2814,
0.4275

 12.8273, 0.2182,
0.5972

 209.8078, 0.2839,
0.4201

 7.3097, 0.1904,
0.6637

 255.1110, 0.2860,
0.4138

 3.6565, 0.1482,
0.7881

306.5068, 0.2878,

 1.4834, 0.0000,

0.4082

1.0000

364.3798, 0.2894,
0.4034

■ 0.2770, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.2293, 0.2651,
0.4741

■ 61.2293, 0.2651,
0.4741

■ 61.2112, 0.2652,
0.4748

■ 61.7220, 0.2625,
0.4583

■ 62.4734, 0.2617,
0.4420

■ 63.5544, 0.2630,
0.4255

■ 65.0074, 0.2663,
0.4091

■ 66.8683, 0.2714,
0.3932

■ 69.1686, 0.2780,
0.3780

■ 71.9366, 0.2857,
0.3639

■ 75.1982, 0.2944,
0.3509

■ 78.9773, 0.3036,
0.3391

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.2293, 0.3549, 0.5116



61.2293, 0.2651, 0.4741



61.2293, 0.1934, 0.3705

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



61.2293, 0.2651, 0.4741



61.2293, 0.1844, 0.1880



61.2293, 0.4984, 0.3434

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



61.2293, 0.2651, 0.4741



18.5898, 0.5324, 0.2709

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.2293, 0.4385, 0.2800



61.2293, 0.2651, 0.4741



61.2293, 0.2469, 0.1954

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.2293, 0.2651, 0.4741



61.2293, 0.1548, 0.2102



61.2293, 0.3398, 0.2278



61.2293, 0.4944, 0.4113

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.2293, 0.2651, 0.4741



61.2293, 0.1649, 0.2996



61.2293, 0.3398, 0.2278



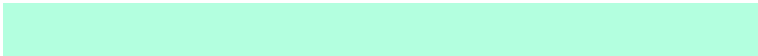
61.2293, 0.4851, 0.3215

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



61.2318, 0.2651, 0.4741



86.3691, 0.2852, 0.3647



62.2728, 0.3272, 0.5781



18.1726, 0.2818, 0.3706



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.2318, 0.2651, 0.4741



73.6631, 0.2654, 0.4755



56.8828, 0.2189, 0.3078



17.0089, 0.3037, 0.3391



34.0920, 0.2645, 0.4723



2.6962, 0.2584, 0.4504

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.5898, 0.5324, 0.2709



22.3182, 0.5348, 0.2720



18.0569, 0.6356, 0.3330



15.1588, 0.3227, 0.3192



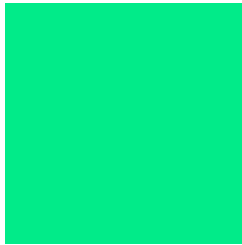
10.3496, 0.5297, 0.2692



0.8315, 0.4940, 0.2495

Previews

White Background



This preview shows how the Yxy color 61.2293, 0.2651, 0.4741 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 61.2293, 0.2651, 0.4741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

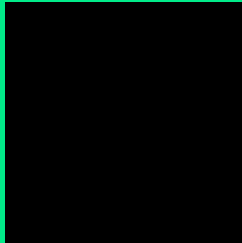
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.2293, 0.2651, 0.4741

Background



This preview shows how black text looks on a background with the Yxy color 61.2293, 0.2651, 0.4741.

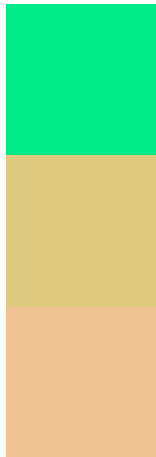


This preview shows how white text looks on a background with the Yxy color 61.2293, 0.2651, 0.4741.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

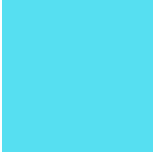
61.2293, 0.2651, 0.4741

Protanopia

59.7221, 0.3861, 0.4179

Deuteranopia

59.8063, 0.3901, 0.3826



Tritanopia

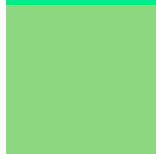
61.1047, 0.2308, 0.3058

Trichromacy



Original Color

61.2293, 0.2651, 0.4741



Protanomaly

55.9366, 0.3157, 0.4481



Deuteranomaly

54.9464, 0.3162, 0.4204



Tritanomaly

60.0622, 0.2401, 0.3621

Monochromacy



Original Color

61.2293, 0.2651, 0.4741



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

38.6018, 0.2733, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.2293, 0.2651, 0.4741 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(1, 235, 137)` looks like.

```
.text, #text, p{  
    color:rgb(1, 235, 137)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(1, 235, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 235, 137) }
```

Border

The CSS property to change the border of an element to Yxy 61.2293, 0.2651, 0.4741 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(1, 235, 137) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(1, 235, 137) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(1, 235, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 235, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 235, 137);  
box-shadow:4px 4px 4px 4px rgb(1, 235,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 61.2293, 0.2651, 0.4741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 235, 137) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(1, 235,  
137) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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